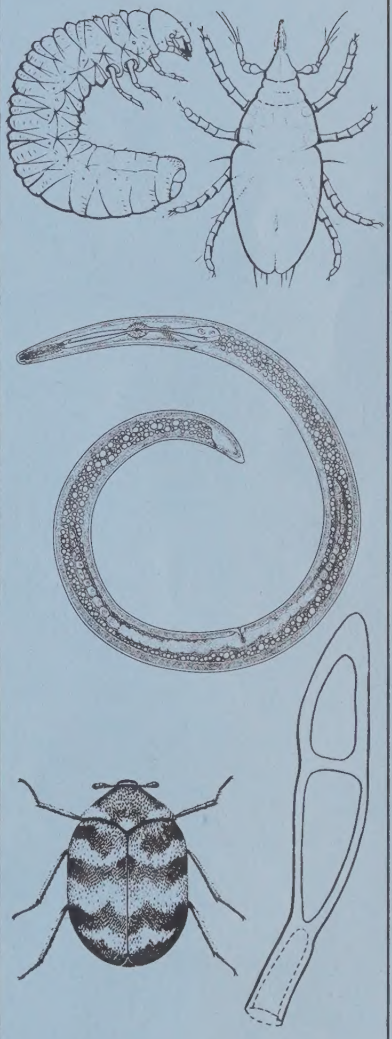
91

INTERCEPTED PLANT PESTS 1970 - 1971

issued by
PLANT PROTECTION DIVISION
PRODUCTION & MARKETING
BRANCH
CANADA DEPARTMENT
OF AGRICULTURE

PLANT QUARANTINE



RAM
COMMONWEALTH MYCOLOGICAL INSTITUTE
-6 JUL 1972

CONTENTS

	Page
Introduction	1
Notes on pests intercepted	2
Pest-host lists	
Insects	3
Diseases	9
Nematodes	11
Host-pest list	16
Country of origin-pest list	21

Digitized by the Internet Archive
in 2025

https://archive.org/details/intercepted-plant-pests_1970-1971

CANADA DEPARTMENT OF AGRICULTURE

Production and Marketing Branch — Plant Protection Division

LIST OF INTERCEPTED PLANT PESTS

April 1st, 1970 - March 31st, 1971

INTRODUCTION

This report summarizes the import interception records of the Plant Protection Division for the period April 1st, 1970, to March 31st, 1971, and includes plant pests found on plants, plant products, baggage, cargo, mail or carriers entering Canada. Pest records concerning pre-shipment inspection of flowering bulbs in the Netherlands, the Canadian Nursery Survey, Canadian Export Certification, and various domestic surveys may be found in other reports covering these activities. The following lists include only those pests which are considered to be of plant quarantine interest and a few which may be of interest because they are new to the country of origin or to the host plant or are of limited distribution in Canada.

In order to prepare a report of this type, Canadian distribution records for the various plant pests must be available and the taxonomy of the various groups must be relatively stable. Where there is insufficient information in regard to these requisites, the pests concerned are arbitrarily included in these lists.

In this report pests are recorded in three groups: insects, etc.; fungi, bacteria, viruses and nematodes. Imports are divided into two groups: "propagation" and "consumption", according to their obvious or intended use. The term "non-entry" may appear under either of these two groups. This refers to the interception of a pest in the space of a carrier (ship, airplane, etc.) or on some product, plant, etc. within the carrier not intended to be moved into this country. In all cases, however, the carrier was present on Canadian soil or in Canadian waters at the time of inspection. The heading "Host (or carrier)" is used in this report because many of the plants associated with a specific pest may not necessarily be host plants, and soil or other materials not associated with plants at the time of interception may also carry pests. The term "Soil" is used only when no recognizable plant or plant material could be associated with the soil in which a pest was found.

Both the "Host" and "Origin" lists refer only to the name of the pest organism. The most complete information is available in the "Pest" list. A large number of the more common intercepted insects, mites, mollusca, fungi, bacteria and nematodes were not included in these lists, but information on these as well as more detailed information on those included here is on file and may be obtained by contacting the Director, Plant Protection Division, Ottawa.

With few exceptions, determinations of insects, nematodes and fungi were made or were confirmed by specialists in the Research Branch, Canada Agriculture. Mollusca were identified at the Canadian National Museum. In certain centres, inspectors are qualified to make identifications of specific pests because of frequent interceptions of the pest from the same state or country. However, even such identifications are checked by specialists from time to time. The scientific names in the lists are those provided by each specialist at the time the determinations were made. Many pests were incompletely determined, but those which may be of quarantine significance are included in the lists.

Notes on Pests Intercepted

The total number of pest interceptions made during the present year was 1,208. This figure is higher than for the previous year, 1969-70, when it was 1,006, the increase being due mainly to airport interceptions.

The following table compares the total interceptions for each of the three pest groups with the related totals which are of quarantine significance or other interest. The figures in brackets are those for the previous year, 1969-70.

	No. of Interceptions	
	Total No.	Total No. of P.Q. Significance
Nematodes	297 (334)	211 (216)
Fungi, Bacteria and Viruses	150 (140)	46 (25)
Insects, Mites and Molluscs	761 (532)	261 (189)
Grand Total	1,208 (1,006)	518 (430)

Pest interceptions in commercial shipments have continued to decline over the past few years. Air travel, however, has increased and has led to increased pest interceptions in air travellers' baggage. Of the 518 pest interceptions of quarantine significance, 198 were intercepted from prohibited plants, plant parts and soil in air travellers' baggage. Some examples of pests found in air travellers' baggage are: weevils, Phelomerus aberrans in Cassia seed pods from India, Rhinoncus sp. in Acacia seed pods from India and Caryedon serratus in Cassia and Tamarind seed pods from Hawaii; Melolontha ? japonica in free space of an airplane from Hong Kong and Puccinia horiana rust on chrysanthemum cut flowers from the Netherlands. The movement of soil souvenirs and small plants with soil in air travellers' baggage has led to the interception of two nematode species for the first time: Heterodera estonica from Yugoslavia and Poland and Heterodera latipons from England, Poland and Italy. Heterodera rostochiensis, the potato cyst nematode, was intercepted 19 times, all except three of which (in mail) were in air passengers' baggage. This represents the greatest number of interceptions of this species than for any previous year.

A. E. Straby
Central Identification Laboratory
Plant Protection Division

May 29, 1972

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Acedes pallescentella (Staint.) "large pale clothes moth" (Tiniidae):					
	Grain residue in ship	Unknown		37 non-entry	N.B., Que. (3x), Ont‡, B.C. (32x)
Achatina fulica Bowdich "giant african snail" (Achatinidae), second interception; first from Hawaii:					
✱	Baggage	Hawaii (USA)		1	B. C.
Aegeria apiformis (Clerck) "hornet moth" Aegeriidea:					
	Populus	Netherlands	1		Ont.
Anomis flava F. " a cutworm" (Noctuidae), first interception:					
	Hibiscus	Fla. (USA)	1		B. C.
Aonidiella citrina (Coquillet) "yellow scale" (Diaspididae):					
	Citrus (fruit)	Cal. (USA)		2	B. C.
Aphaenogaster rudis (Emery) "an ant" Formicidae, first interception:					
	Cocos (coconut plant	Fiji	1		B. C.
	Flowers (cut, unidentified)	Hawaii (USA)		1	B. C.
Aphis craccivora Koch "cowpea aphid" Aphididae, occurs in Canada, first interception:					
✱	Crocus (corms)	Netherlands	1		Alta.
Aphomia gularis (Zeller) "stored nut moth" (Galleriidae):					
	Container space	Caribbean		1 non-entry	Que.
	Glycine (soya beans)	China		1 non-entry	B. C.
	Grain residue in ship	Unknown		1 non-entry	Ont.+
	Plants (dried) herbs, etc	Korea (South)		1 non-entry	B. C.
Arianta arbustorum (L.) "a snail" (Helicidae):					
	Packing (with plants)	Netherlands		1	Que.
Arion ater (L.) "the black slug" (Arionidae):					
	Rhododendron	Fla. (USA)	1		B. C.
Arion fasciatus Nilson "a slug" (Arionidae):					
	Plants (herbaceous)	Ore (USA)	1		B. C.
	Rosa	Netherlands	2		Que.
Arion intermedium Normand "a slug" (Arionidae):					
	Plant (herbaceous)	Ore. (USA)	1		B. C.
Aspidiotus hederae (Vallot) "ivy scale" (Diaspididae):					
	Plants (herbaceous)	Hong Kong	1		B. C.
Aspidiotus perniciosus Comstock "San Jose scale" (Diaspididae):					
	Malus (fruit)	Australia (Tasmania)		1	B. C.
Blapstinus sp. "darkling ground beetles" (Tenebrionidae):					
	Solanum (potatoes)	Cal. (USA)		1	Sask.
Bothynus gibbosus (De G.) "carrot beetle" (Scarabaeidae):					
	Lycopersicon (tomato seedlings)	Ga. (USA)	1		Ont.
Bruchus lentis Froh. "lentil bruchid" (Bruchidae):					
	Lens (lentils)	Lebanon		1	Que.

✱ a shipment prohibited by regulation·

+ Thunder Bay

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Callosobruchus chinensis L. "southern cowpea weevil" (Bruchidae):					
	Leguminosae (seed pods)	Fiji	1		B. C.
	Phaseolus (various bean seed)	Fiji	1		B. C.
		Hong Kong		2 (1 non-entry)	B. C.
		Jamaica		1	Que.
Callosobruchus maculatus (F.) "cowpea weeveil" (Bruchidae):					
	Juglans (walnuts)	Italy		1	B. C.
	Phaseolus (various bean seed)	Kong Kong		2	B. C.
	Pisum (pea seed)	Bahama		1	Ont.
Caryedon serratus (Olivier) "a weevil" (Bruchidae), first interception:					
	Cassia (seed pods)	Hawaii (USA)		1	B. C.
	Tamarindus (seed pods)	Hawaii (USA)		1	B. C.
Ceroplastes cirripediformis Comstock "barnacle scale" (Coccidae):					
✱	Peperomia	Greece	1		Alta.
Corcyra cephalonica Stainton "rice moth" (Pyralididae):					
	Grain residue in ship	Unknown		8 non-entry	Que, B. C. (7x)
	Plants (dried) herbs, etc	Hong Kong		1	B. C.
Cordylomera spinicornis (F.) (Cerambycidae), first interception:					
	Wood (log remnants)	Cameroon		1	N. B.
Cryptophlebia ? ombrodelta (Lower) (Olethreutidae) first interception of genus:					
	Tamarindus (ssed pods)	India		1	B. C.
Cryptorhynchus mangiferae (F.) "a weevil" (Curculionidae), first interception:					
	Mangifera (mango fruit)	India		1	B. C.
Ctenicera sjaelandica (Muller)"a wireworm" (Elateridae):					
	Packing (with plants)	Netherlands		1	Que.
Curculionidae (unidentified weevil larvae);					
✱	Castanea (chestnuts)	Japan		1	B. C.
Dacus dorsalis Hendel "oriental fruit fly" (Tephritidae):					
	Hibiscus (okra)	Fiji		1	B. C.
	Mangifera (mango)	India		1	B. C.
		Mexico		1	B. C.
	Persea (avocado)	Fiji ?		1	B. C.
Deroceras laeve (Muller) "gray field slug" (Limacidae):					
	Plants (herbaceous)	Ore. (USA)	1		B. C.
Diacrisia menthastri Esp. "a woolly bear caterpiller" (Arctiidae), first interception:					
	Packing (with plants)	Netherlands	1		B. C.
Dinoderus brevis Horn (Bostrichidae):					
	Wood (palmyra stalks)	India		1	Que.
	Wood (bamboo)	Japan		1	Ont.
	Wood (bamboo)	Mexico		1	Ont.
	Wood (baskets)	India		1	Que.
	Wood (baskets)	Japan		1	B. C.
	Wood (musical instruments)	Taiwan		1	B. C.

✱ a shipment prohibited by regulation

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Dorymyrmex pyramicus (Roger) "pyramid ant" (Formicidae):					
	Dendrobium (orchid)	India	1		Ont.
Ectomyelois ceratomiae (Zell.) (Phycitidae):					
	Ananas (pineapple)	Hawaii (UAS)		1	B. C.
Endrosis sarcitrella L. "white shouldered grain moth" (Oecophoridae):					
	Grain residue in ship	Unknown		2 non-entry	Que.
Epiphyas postvittana (Wlk.) "light brown apple moth" (Tortricidae):					
	Malus (fresh apples)	Australia (Tasmania)		1	B. C.
Gibbium psylloides (Czemp) "the storehouse beetle" (Ptinidae):					
	Grain residue in ship	Unknown		4 non-entry	B. C.
Glischrochilus fasciatus Oliv. (Nitidulidae), first interception:					
	Hordeum (barley seed)	Hungary	1		Alta.
Gracilaria azaleella Brants "azalea leaf miner" (Gracilariidea):					
	Rhododendron (azalea)	Netherlands	1		B. C.
Grapholitha molesta Busck "oriental fruit moth" (Olethreutidae):					
	Prunus (peach seed)	Cal. (USA)	1		B. C.
	Pyrus (fresh sand pears)	Japan		1	B. C.
Helix aperta Born "a snail" (Helicidae):					
	✱ Baggage (2 lb. snails)	Italy		1	Ont.
Helix aspersa (Muller) "brown garden snail" (Helicidae):					
	Chrysanthemum (cuttings)	Cal. (USA)	1		B. C.
Hofmannophila pseudospretella (Staint.) "brown house moth" (Oecophoridae):					
	Grain residue in ship	Uknown		7 non-entry	N.B., Que. (2x), Ont.+(2x), B.C. (2x)
Hypera postica (Gyll.) "alfalfa weevil" (Curculionidae):					
	Prunus (almonds)	Cal. (USA)		1	B. C.
Ischnaspis longirostris (Signoret) "black thread scale" (Diaspididae):					
	Philodendron	Fla. (USA)	1		Que.
Lasius alienus (Foerster) "cornfield ant" (Formicidae):					
	✱ Ferns	Greece	1		Alta.
Lasius neoniger Emery "an ant" (Formicidae):					
	Ananas (pineapples)	Hawaii (USA)		2	B. C.
	Fruit (unidentified)	Hong Kong		1	B. C.
	Hemerocallis (daylilies)	Japan	1		Alta.
	Pisum (peas)	India		1	B. C.
	Saccharum (sugar cane)	Antigua	1		Ont.
Latheticus oryzae Waterh. "long-headed flour beetle" (Tenebrionidae):					
	Grain residue in ship	Unknown		10 non-entry	N.B., B.C. (9x)

✱ a shipment prohibited by regulation
+ Thunder Bay

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Lyctus brunneus (Steph.) " powder post beetle" (Lyctidae):					
	Wood (bamboo)	India		1	B. C.
		Japan		1	B. C.
	Wood (boxes)	India		1	Ont.
	Wood (carvings)	Congo		1	Que.
Melolontha ? japonica Burmeister "a chafer" (Scarabaeidae) first interception:					
	Airplane (space)	Hong Kong ?		1 non-entry	B. C.
Microcentrum ? retinerve Burmeister "angular-winged katydid" (Tettigoniidae):					
	Citrus (orange and lime plants)	Fla. (USA) 1			Alta.
Microgramme arga Reitter "minute brown scavenger beetle" (Lathridiidae):					
	Grain residue in ship	Unknown		3 non-entry	B. C.
Minthea rugicollis (Wlk.) (Lyctidae):					
	Plants (dried) herbs, etc	Hong Kong		1	B. C.
	Wood (lumber)	Guiana		1	Ont.
Monomorium destructor (Jerdon) "an ant" (Formicidae):					
	Dracaena	Hawaii (USA) 1			B. C.
Monomorium minimum (Buckley) "little black ant" (Formicidae):					
	Cocos (coconuts)	Hawaii (USA)		2	B. C.
✱	Dracaena	Hawaii (USA)		1	B. C.
	Tamarindus (seed pods)	India		1	B. C.
Monomorium pharaonis (L.) "pharaoh ant" (Formicidae):					
	Anacardium (cashews)	Malaya		1	B. C.
	Juglans (walnuts)	Hong Kong		1	B. C.
	Plants (dried) herbs, etc	Hong Kong		1	B. C.
	Thea (tea)	Java		1	B. C.
Murmidius ovalis (Beck.) "cylindrical bark beetles" (Murmidiidae):					
	Plants (dried) herbs, etc	Hong Kong		1	B. C.
Neoconocephalus triops (L.) "a katydid" (Tettigoniidae), first interception:					
	Airplane (space)	Unknown		1 non-entry	B. C.
Noctuidae "unidentified cutworms" (Lepidoptera):					
	Capsicum (peppers)	Japan		1	B. C.
	Chrysanthemum (cuttings)	Fla. (USA) 1			Ont.
	Lycopersicon (tomato seedlings)	Ga. (USA) 1			Ont.
	Malus (fresh apples)	Hong Kong		1	B. C.
Ostrinia nubilalis (Hübner) "European corn borer" (Pyraustidae):					
	Sorghum (broom corn)	Hungary		1	Que.
Panonychus citri (McGregor) "citrus red mite" (Tetranychidae):					
	Schefflera	Fla. (USA) 1			B. C.
Paratrechina longicornis (Latreille) "crazy ant" (Formicidae):					
	Airplane (space)	Unknown		1	B. C.

✱ a shipment prohibited by regulation

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Pheidole bicarinata vinelandica Forel. "big-headed ants" (Formicidae):					
	Dioscorea (yams)	Hong Kong		1	B. C.
Pheidole dentata Mayr "big-headed ants" (Formicidae):					
	Ananas (pineapple)	Hawaii (UAS)		1	B. C.
	Cocos (coconut)	Unknown		1	B. C.
	Cocos (coconut plant)	Fiji	1		B. C.
	Plants (dried) herbs, etc.	India		1	B. C.
Phelomerus aberrans (Sharp) "a weevil" (Bruchidae):					
	Cassia (seed pod)	India		1	B. C.
Pinnaspis aspidistrae (Sig.) "the fern scale" (Diaspididae):					
	Cocos (coconut plant)	Hawaii (USA)		1	B. C.
Platypodidae "ambrosia beetles" (Coleoptera):					
	Ship (space)	Russia ?		1 non-entry	Que.
Platyptilia comstocki Lange "a geranium plume moth" (Pterophoridae) first interception:					
	Pelargonium (cuttings)	Cal. (USA)	1		B. C.
Platyptilia ? pica (Wlsm.) "a geranium plume moth" (Pterophoridae):					
	Pelargonium (cuttings)	Cal. (USA)	2		B. C.
Pogonomyrmex ? californicus (Buckley) "an ant" (Formicidae):					
	Mail ("ant farm")	Cal. (USA)		1	Alta.
Pyraustidae "a pyraustid moth" (Lepidoptera):					
	Baggage	Fiji		1	B. C.
Rhinoncus sp. "a weevil" (Curculionidae):					
	Acacia (seed pod)	India		1	B. C.
Rhyzopertha dominica (Fab.) "lesser grain borer" (Bostrichidae):					
	Areca (betel nuts)	India		1	B. C.
	Clothing	Singapore		1	Ont.
	Grain residue in ship	Unknown		30 non-entry	N.B.(3x), Que. (2x), B.C. (25x)
	Lilium (bulbs)	Hong Kong	1		B. C.
	Phaseolus (beans)	Hong Kong		1	B. C.
	Pistacia (pistache nuts)	India		1	B. C.
	Pisum (peas)	India		1	B. C.
	Plants (dried) herbs, etc.	Hong Kong		4	B. C.
	Zea (corn)	India		1	B. C.
Saissetia oleae (Bern.) "black scale" (Coccidae):					
	Aralia (angelica)	Fla. (USA)	1		Alta.
	Calamondin (dwarf orange)	Fla. (USA)	1		Alta.
	Cocos (coconut)	Hawaii (USA)		1	B. C.
Sinoxylon anale Lesne (Bostrichidae):					
	Wood (crates)	Pakistan		1	Ont.
Sitona lineata L. "pea leaf weevil" (Curculionidae):					
	Rosa	Wash. (USA)	1		B. C.
Sitotroga cerealella (Oliv.) "angoumois grain moth" (Gelechiidae):					
	Grain residue in ship	Unknown		6 non-entry	Que. (3x), B.C.(3x)

PEST (insect, etc.)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Sparganothis sp. (Tortricidae):					
	Rhododendron (azaleas)	Cal. (USA)	5		Que. Ont., Man.(2x) B. C.
Spodoptera sp. "a cutworm" (Noctuidae):					
	Tropaeolum (nasturtium fruit) . ..	Bermuda		1	Ont.
Tetramorium guineense (F.) "Guinea ant" (Formicidae):					
	Ficus (rubber plant)	Fla. (USA)	2		Que.
	Zingiber (ginger root)	Fiji		1	B. C.
Tetranychus sp. "a red spider mite" (Tetranychidae):					
	Malus (fresh apples)	Australia (Tasmania)		1	B. C.
Theba pisana (Muller) "white garden snail" (Helicidae):					
	Plant (herbaceous)	Malta	1		Ont.
Thes bergrothi (Reit.) "ridge-winged fungus beetle" (Lathridiidae):					
	Grain residue in ship	Unknown		1 non-entry	B. C.
Thyridopteryx ephemeraeformis (Haw.) "a bagworm" (Psychidae):					
	Acer	Tenn. (USA)	1		Ont.
	Deutzia	" "	1		Ont.
	Juniperus	" "	1		Ont.
	Thuja	" "	2		Ont.
	Thuja	Ala. (USA)	1		Ont.
Trogoderma granarium Everts "khapra beetle" (Dermestidae):					
	Grain residue in ship	Unknown		1 non-entry	B. C.
Xyleborus validus Eichhoff "a shot-hole borer" (Scolytidae):					
	Citrus (oranges)	Japan		1	Alta.

PEST (disease)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Ascochyta ? *chrysanthemi* "leaf and bud decay" (Sphaeropsidales):					
	Chrysanthemum (cuttings)	England	1		Ont.
Ascochyta sp. "a pod spot" (Sphaeropsidales):					
	Vicia faba cv. Maris bead (broadbean)	England	1		N.S. +
Botrytis fabae Sardina "chocolate spot" (Moniliales):					
	Vicia faba cv. Maris bead (broadbean)	England	1		N. S. +
Chlorotic leaf spot virus:					
	Malus var. Golden precoce	France	1		B. C. (P.E.Q.)
Cumminsiella mirabilissima (Pk.) Nannf. "Mahonia rust" (Uredinales):					
	Mahonia aquifolium	Ore. (USA)	1		B. C.
Cytospora ? *dubyi* Sacc. "a twig blight" (Sphaeropsidales), Perf. = *Valsa juniperina* Cooke, first interception:					
	Juniperus (cuttings)	Mo. (USA)	1		Ont.
Fanleaf virus:					
	Vitis var's:				
	Afesz A61 and Ezereves	Yugoslavia	2		B. C. (PEQ)
	French Cabernet I	Italy	1		" "
	Muscat and Silvanac	Hungary	2		" "
	Perle de csaba and Vellenir Fruhof	Austria	2		" "
	Pinot chardonnay on S/101-14	France	1		" "
	Pinot noire on S/101-14	France	1		" "
	Marechal Foch on 3309	France	1		" "
Leaf roll virus:					
	Vitis var's:				
	Bouvier	Yugoslavia	1		" "
	Portogizac	Hungary	1		" "
	Barlinka No. 127	South Africa	1		" "
Myxosporium lanceola Sacc. & Roum. "twig and stem canker" (Melanconiales), (Perf. = *Diaporthe leiphaimia*):					
	Quercus	Belgium	1		Ont.
		Netherlands	3		Ont.
Prunus necrotic ringspot virus:					
	Prunus avium (sweet cherry) var's: Gemelle, Mora Di Vignola, Durone I Vignola, Durone II Vignola, Durone III Vignola	Italy	5		B. C. (PEQ)
	Prunus armeniaca (apricot) var's:				
	Brusca and Reaze D. Ithola	Italy	2		" "
Puccinia buxi D.C. "boxwood rust" (Uredinales):					
⁂	*Buxus* (seedlings)	Portugal	1		Que.
Puccinia graminis Pers. "stem rust" (Uredinales), Teliospores:					
	Secale (rye straw figurine)	Sweden		1	Que.
⁂	*Triticum* (wheat sheaf)	Greece		1	Alta.

+ Determined by C.O. Gourley, C.D.A. Research Station, Kentville, on plants grown from imported seed.

⁂ a shipment prohibited by regulation

PEST (disease)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Puccinia horiana P. Henn. "white rust of 'mums" (Uredinales):					
	Chrysanthemum (cut flowers)	Netherlands		1	B. C.
Puccinia recondita Rob. ex Desm. "leaf rust" (Uredinales), first interception:					
	✱ *Triticum* (wheat sheaf)	Ukraine		1	Ont.
Red mottle virus:					
	Pyrus var. Laird Lang	England	1		B. C. (PEQ)
Ring pattern mosaic virus:					
	Pyrus var. Doctor Stark	England	1		B. C. (PEQ)
Sharka virus:					
	Prunus var. Brompton plum	Belgium	1		" "
	Prunus (peach) var. Early red peach	Belgium	1		" "
Vein yellows virus:					
	Pyrus var's: Le curé (Vicar of Wakefield, Dutch Holland, Greenpear of Yair A, General Tottleben, JI3897	England	5		" "
Yellow vein virus:					
	Vitis var's: Reisling and Gamay.	France	2		" "

✱ a shipment prohibited by regulation

PEST (nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Anguina agrostis (Steinbuch 1799) Filip.1936 "grass seed nematode" (Tylenchidae):					
	Agrostis spp.(bentgrass, etc.) ..	New Zealand	3		N.S. & Que. (2x)
		Minn. (USA)	1		Ont.
		Ore. (USA)	1		B. C.
Aphelenchoides sp. "foliar nematodes" (Aphelenchoididae):					
	Allium (onion)	Netherlands	1		N. S.
☠	*Amaryllis*	Italy	1		Que.
	Astilbe	Netherlands	1		B. C.
☠	*Clematis*	Austria	1		Que.
☠	*Cypripedium*	N.Y. (USA)	1		B. C.
	Dahlia	Netherlands	2		Man.
☠	*Rosmarinus*	Italy	1		Que.
☠	*Vitis* (rooted grape cuttings) ...	Italy	1		Que.
Criconemoides sp. "ring nematodes" (Criconematidae):					
☠	*Calluna* (heather)	Scotland	1		Alta.
☠	*Citrus* (plants)	Greece	1		Que.
☠	*Cypripedium*	N.Y. (USA)	1		B. C.
	Pinaceae	Conn. (USA)	1		Que.
☠	Soil (as such)	France		1	Que.
		Portugal		1	Que.
		France		1	Ont.
Ditylenchus destructor Thorne 1945 "potato rot nematode" (Tylenchidae):					
	Iris (bulbs)	Wash. (USA)	3		B. C.
Helicotylenchus pseudorobustus (Steiner 1914) Golden 1956 "a spiral nematode" (Tylenchidae):					
	Astilbe	Netherlands	1		B. C.
Helicotylenchus sp. "spiral nematodes" (Tylenchidae):					
☠	Plants (herbaceous)	France	1		Que.
Heterodera avenae Woll. 1924 (Filip.1934) "oat-cyst nematode" (Heteroderidae):					
☠	Automobile (with soil)	England		2	Que. & B. C.
		Germany		1	N. S.
		Russia		1	Que.
☠	*Calluna* (heather)	England	1		Ont.
	Dahlia	Netherlands	1		B. C.
☠	*Hydrangea*	England	1		N. S.
☠	*Juniperus*	Poland	1		Que.
☠	*Mentha* (mint)	Portugal	1		Ont.
☠	Plants (herbaceous)	England	3		Ont.
		Italy	3		Ont. (2x) & B. C.
		Hong Kong	1		B. C.
		Netherlands	1		Que.
☠	Plants (woody)	Japan	1		B. C.
☠	*Rosmarinus* (rosemary)	Italy	1		Ont.
☠	Shoes (with soil)	India		1	B. C.
☠	Soil (as such)	Poland		2	Ont. & B. C.
☠	*Solanum* (potatoes)	Germany	1		B. C.
Heterodera bifenestra Cooper 1955 (Heteroderidae):					
☠	Plants (herbaceous)	Italy	3		Ont.
☠	*Populus*	Italy	1		Ont.

☠ a shipment prohibited by regulation

PEST (nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Heterodera cacti Filip. & Stek. 1941 "cactus-cyst nematode" (Heteroderidae):					
★	Automobile (with soil)	Germany		1	N. S.
★	Cactus	Argentina	1		B. C.
		England	2		Que. & B. C.
		Netherlands	1		Ont.
		Poland	1		B. C.
★	*Calluna* (heather)	Scotland	1		B. C.
★	*Canna*	Italy	1		Ont.
★	*Episcia*	Ireland	1		Que.
★	Palms	Fla. (USA)	1		B. C.
★	Plants (herbaceous)	England	1		Ont.
		France	1		N. S.
		Hong Kong	1		B. C.
		Netherlands	1		Que.
	Plants (woody)	Iowa (USA)	1		B. C.
		Mo. (USA)	1		B. C.
		Tenn. (USA)	1		Ont.
★	Shoes (with soil)	India		1	B. C.
Heterodera cruciferae Franklin 1945 "cabbage-cyst nematode" (Heteroderidae):					
★	Plants (herbaceous)	Portugal	1		Que.
Heterodera estonica Kirjanova & Krall 1963 (Heteroderidae) ★★ first interception:					
★	*Citrus*	Yugoslavia	1		Ont.
★	Soil (as such)	★★ Poland		1	Ont.
		Turkey (?)		1	Ont.
Heterodera fici Kirjanova 1954 "fig-cyst nematode" (Heteroderidae):					
★	Cactus	Belgium	1		B. C.
		Netherlands	1		Ont.
★	*Ficus*	Italy	1		Ont.
★	*Nerium*	Italy	1		Ont.
★	Plants (herbaceous)	Belgium	1		Que.
		Greece	1		Ont.
		Italy	4		Ont.
		Portugal	1		Ont.
★	*Vitis* (rooted grape cuttings)	Australia	1		B. C.
Heterodera goettingiana Liebscher 1892 "pea-root nematode" (Heteroderidae):					
★	Plants (herbaceous)	England	1		Ont.
Heterodera humuli Filip. 1934 "hop-cyst nematode" (Heteroderidae):					
★	*Begonia*	Yugoslavia	1		Ont.
★	Cactus	Belgium	1		B. C.
★	*Dianthus*	France	1		Que.
★	Plants (herbaceous)	England	1		Ont.
		Greece	1		Ont.
		Italy	5		Ont.
★	*Rosa*	Italy	1		Que.
Heterodera latipons Franklin 1969 "a cereal-cyst nematode" (Heteroderidae) ★★ first interception:					
★	Plants (herbaceous)	England	1		Ont.
★★	Soil (as such)	Poland		1	Ont.
★	*Spathiphyllum*	Italy	1		Que.

★ a shipment prohibited by regulation

PEST (nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	Consumption	COLLECTED IN
Heterodera punctata Thorne 1928 "grass-cyst nematode" (Heteroderidae):					
	✱ Amaryllis	England	1		Que.
	✱ Automobile (with soil)	England		4	Que. (3x) & B. C.
		Germany		1	N. S.
	✱ Automobile trailer (with soil)	England		1	N. S.
	✱ Begonia	Yugoslavia	1		Ont.
	✱ Bulbs	England	1		Ont.
		Netherlands	1		Ont.
	✱ Cactus	England	1		Que.
	✱ Calluna	Scotland	2		Ont. & B. C.
	✱ Chrysanthemum	England	1		Que.
	Dahlia	Netherlands	1		B. C.
	✱ Dianthus	Belgium	1		Que.
	✱ Fern	Poland	1		Que.
	✱ Impatiens	England	1		N. S.
	✱ Picea	Netherlands	1		Ont.
	✱ Plants (herbaceous)	England	2		Ont.
		Germany	1		Ont.
		Hong Kong	1		B. C.
		Hungary	1		Ont.
		Lebanon	1		Ont.
		Netherlands	1		Que.
		Scotland	1		Que.
		Switzerland	1		Que.
	✱ Primula	Austria	1		N. S.
	✱ Soil (as such)	Poland		2	Ont. & B. C.
	✱ Shoes (with soil)	England		1	B. C.
		India		1	B. C.
	✱ Syringa	England	1		Ont.
Heterodera rostochiensis Woll. 1923 "potato-cyst nematode" (Heteroderidae):					
	✱ Cactus	England	1		B. C.
	✱ Calluna	Scotland	1		B. C.
	✱ Capsicum	Italy	1		Ont.
	✱ Chrysanthemum	England	1		Ont.
	✱ Cytisus	England	1		Alta.
	✱ Mesembryanthemum	England	1		Ont.
	✱ Plants (herbaceous)	England	4		Ont. (3x) & B. C.
		Germany	1		Ont.
		Greece	1		Ont.
	✱ Primula	Austria	1		N. S.
	✱ Rosa	Germany	1		Ont.
	✱ Soil (as such)	Poland		1	Ont.
	✱ Solanum (potato tubers)	England	1		Ont.
	✱ Syringa	Scotland	1		Ont.
		England	1		Ont.
	✱ Vitis (rooted cuttings)	Greece	1		Que.
Heterodera schachtii Schmidt 1871 "sugar-beet nematode" (Heteroderidae):					
	✱ Begonia	Portugal	1		Que.
	Beta (beet)	N.Y. (USA)	1		N. S.
	✱ Bulbs	Portugal	1		Ont.
		Poland	1		Ont.
	✱ Citrus	Yugoslavia	1		Ont.
	✱ Fern	Netherlands	1		B. C.
	Hydrangea	Md. (USA)	1		N. S.
	✱ Mentha	Portugal	1		Que.
	✱ Philodendron	Africa (country?)	1		Que.
	✱ Plants (herbaceous)	Italy	1		Que.
		Jamaica	1		Ont.
	✱ Plants (woody)	Portugal	1		Ont.
	✱ Quercus	Germany	1		B. C.
	✱ Rosmarinus	Portugal	1		Que.
	✱ Shoes (with soil)	India		1	B. C.
	✱ Soil (as such)	Poland		2	Ont.

PEST (nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Heterodera sp. (probably undescribed) (Heteroderidae):					
	✱ Begonia	Yugoslavia	1		Ont.
Hoplolaimus galeatus (Cobb. 1913) Sher. 1961 "a lance nematode" (Tylenchidae):					
	Soil (as such)	Conn. (USA)		1	Que.
Meloidogyne arenaria (Neil 1889) Chitwood 1949 "peanut root-knot nematode" (Heteroderidae):					
	Rosa	France	1		Que.
Meloidogyne hapla Chitwood 1949 "northern root-knot nematode" (Heteroderidae):					
	Forsythia	Tenn. (USA)	1		B. C.
	Lonicera	Tenn. (USA)	1		Ont.
	Rosa	Belgium	2		Que.
		France	3		Que.
		Netherlands	7		Que.
		Ohio (USA)	1		Ont.
		Texas (USA)	1		B. C.
	Weigela	Tenn. (USA)	1		B. C.
Meloidogyne incognita (Kofoid & White 1919) Chitwood 1949 "southern root-knot nematode" (Heteroderidae):					
	Lycopersicon (tomato seedlings)	Ga. (USA)	1		Ont.
	✱ Plants (herbaceous)	Hawaii (USA)	1		B. C.
	Rosa	Netherlands	1		Que.
Meloidogyne javanica (Treub 1885) Chitwood 1949 "Javanese root-knot nematode" (Heteroderidae):					
	Ficus	Egypt	1		Ont.
	Rosa	Ohio (USA)	1		Ont.
Meloidogyne sp. "root-knot nematode" (Heteroderidae):					
	Delphinium	Mich. (USA)	1		Ont.
	Lonicera	Tenn. (USA)	1		Ont.
	Rosa	Cal. (USA)	1		Ont.
Paratylenchus sp. "pin nematodes" (Criconematidea):					
	✱ Plants (herbaceous)	Netherlands	1		Que.
	✱ Vitis (rooted cuttings)	Italy	1		Ont.
Pratylenchus crenatus Loof 1960 "a lesion nematode" (Tylenchidae)					
	Astilbe	Netherlands	1		B. C.
Pratylenchus minyus Sher & Allen 1953 "a root-lesion nematode" (Tylenchidae):					
	✱ Soil (as such)	Turkey ?		1	Ont.
Pratylenchus penetrans (Cobb 1917) Filip. & S. Stek. 1941 "Cobb's root-lesion nematode" (Tylenchidae):					
	Astilbe	Netherlands	1		B. C.
	✱ Cytisus	England	1		Alta.
Pratylenchus sp. "root-lesion nematodes" (Tylenchidae):					
	Astilbe	Netherlands	1		B. C.
	Cypripedium	N.Y. (USA)	1		B. C.
	Hyrangea	France	1		Que.
	Rosa	Cal. (USA)	1		Que.
		Wash. (USA)	1		B. C.
	Vitis (rooted cuttings)	Italy	1		Ont.
Rotylenchus robustus (de Man 1876) Filip. 1936 "a spiral nematode" (Tylenchidae):					
	Plants (woody)	Germany	1		Que.

✱ a shipment prohibited by regulation

PEST (nematode)	HOST (or carrier)	COUNTRY OF ORIGIN	NO. OF INTERCEPTIONS IN Propagation	NO. OF INTERCEPTIONS IN Consumption	COLLECTED IN
Rotylenchus sp. "spiral nematode" (Tylenchidae):					
	Astilbe	Netherlands	1		B. C.
✱	*Ficus*	Italy	1		Ont.
✱	Soil (as such)	Turkey ?		1	Ont.
Trichodorus sp. "stubby-root nematodes" (Diphtherophoridae):					
✱	Soil (as such)	Portugal		1	Que.
Tylenchorhynchus quadrifer Andrassy 1954 "a stunt nematode" (Tylenchidae):					
✱	Soil (as such)	Tyrkey ?		1	Ont.
Tylenchorhynchus sp. "stunt nematodes" (Tylenchorhynchus):					
✱	*Rosa*	Italy	1		Ont.
✱	*Vitis* (rooted cuttings)	Italy	1		Ont.
Xiphinema americanum Cobb. 1913 "American dagger nematode" (Longidoridae):					
	Lonicera	Tenn. (USA)	1		Ont.
	Soil (as such)	Conn. (USA)		1	Que.
Xiphinema sp. "dagger nematodes" (longidoridae):					
✱	*Ficus*	Italy	1		Ont.

✱ a shipment prohibited by regulation

Hosts (or carriers) of Intercepted Pests

ACACIA:
- Rhinoncus sp. (Insect)

ACER:
- Thyridopteryx ephemeraeformis "

AGROSTIS:
- Anguina agrostis (5x) (Nematode)

AIRPLANE:
- Melolontha ? japonica (Insect)
- Neoconocephalus triops "
- Paratrechina longicornis "

ALLIUM:
- Aphelenchoides sp. (Nematode)

AMARYLLIS:
- Aphelenchoides sp. "
- Heterodera punctata "

ANACARDIUM (cashews):
- Monomorium pharaonis (Insect)

ANANAS (pineapples):
- Ectomyelois ceratomiae (Insect)
- Lasius neoniger (2x) "
- Pheidole dentata "

ARALIA (angelica):
- Saissetia oleae (Insect)

ARECA (betel nuts):
- Rhyzopertha dominica (Insect)

ASTILBE:
- Aphelenchoides sp. (Nematode)
- Helicotylenchus pseudorobustus "
- Pratylenchus crenatus "
- P. penetrans "
- Pratylenchus sp. "
- Rotylenchus sp. "

AUTOMOBILE:
- Heterodera avenae (4x) (Nematode)
- H. cacti "
- H. punctata "

AUTOMOBILE TRAILER:
- Heterodera punctata (Nematode)

BAGGAGE:
- Achatina fulica (Snail)
- Helix aperta "
- Pyraustidae (Insect)

BEGONIA:
- Heterodera humuli (Nematode)
- H. punctata "
- H. schachtii "
- Heterodera sp. (prob. undescribed) "

BETA (beet):
- Heterodera schachtii (Nematode)

BULBS:
- Heterodera punctata (2x) (Nematode)
- H. schachtii (2x) "

BUXUS:
- Puccinia buxi (Fungus)

CACTUS:
- Heterodera cacti (5x) (Nematode)
- H. fici (2x) "
- H. humuli "
- H. punctata "
- H. rostochiensis "

CALAMONDIN (dwarf citrus):
- Saissetia oleae (Insect)

CALLUNA (heather):
- Criconemoides sp. (Nematode)
- Heterodera avenae "
- H. cacti "
- H. punctata (2x) "
- H. rostochiensis "

CANNA:
- Heterodera cacti (Nematode)

CAPSICUM (pepper plants or fruit)
- Heterodera rostochiensis (Nematode)
- ♣ Noctuidae (Insect)

CASSIA (pods):
- Caryedon serratus (Insect)
- Phelomerus aberrans "

CASTANIA (chestnuts):
- Curculionidae (Insect)

CHRYSANTHEMUM (rooted cuttings):
- Ascochyta ? chrysanthemi (Fungus)
- Helix aspersa (Snail)
- Heterodera punctata (Nematode)
- H. rostochiensis "
- Noctuidae (Insect)

CHRYSANTHEMUM (cut flower):
- Puccinia horiana (Fungus)

CITRUS (plants & fruit):
- Aonidiella citrina (2x) (Insect)
- Criconemoides sp. (Nematode)
- Heterodera estonica "
- H. schachtii "
- Microcentrum ? retinerve (Insect)
- Xyleborus validus "

CLEMATIS:
- Aphelenchoides sp. (Nematode)

Hosts (or carriers) of Intercepted Pests

CLOTHING:
- Rhyzopertha dominica (Insect)

COCOS (coconut fruit & Plants):
- Aphaenogaster rudis (Insect)
- Monomorium minimum (2x) "
- Pheidole dentata "
- Pinnaspis aspidistrae "
- Saissetia oleae "

CONTAINER SPACE:
- Aphomia gularis (Insect)

CROCUS:
- Aphis craccivora (Insect)

CYPRIPEDIUM:
- Aphelenchoides sp. (Nematode)
- Criconemoides sp. "
- Pratylenchus sp. "

CYTISUS:
- Pratylenchus penetrans (Nematode)
- Heterodera rostochiensis "

DAHLIA:
- Aphelenchoides sp. (2x) (Nematode)
- Heterodera avenae "
- H. punctata "

DELPHINIUM:
- Meloidogyne sp. (Nematode)

DENDROBIUM (orchid):
- Dorymyrmex pyramicus (Insect)

DEUTZIA:
- Thyridopteryx ephemeraeformis (Insect)

DIANTHUS:
- Heterodera humuli (Nematode)
- H. punctata "

DIOSCOREA (yams):
- Pheidole bicarinata vinelandica (Insect)

DRACAENA:
- Monomorium destructor (Insect)
- M. minimum "

EPISCIA:
- Heterodera cacti (Nematode)

FERNS:
- Heterodera punctata (Nematode)
- H. schachtii "
- Lasius alienus (Insect)

FICUS:
- Heterodera fici (Nematode)
- Meloidogyne javanica "
- Rotylenchus sp. "
- Tetramorium guineense (2x) (Insect)
- Xiphinema sp. (Nematode)

FRUIT (unidentified):
- Lasius neoniger (Insect)

GLYCINE (soybean):
- Aphomia gularis (Insect)

GRAIN (residue on ship):
- Acedes pallescentella (37x) (Insect)
- Aphomia gularis "
- Corcyra cephalonica (8x) "
- Endrosis sarcitrella (2x) "
- Gibbium psylloides (4x) "
- Hofmannophila pseudospretella (7x) "
- Latheticus oryzae (10x) "
- Microgramme arga (3x) "
- Rhyzopertha dominica (30x) "
- Sitotroga cerealella (6x) "
- Thes begrothi "
- Trogoderma granarium "

HEMEROCALLIS:
- Lasius neoniger (Insect)

HIBISCUS (okra):
- Anomis flava (Insect)
- Dacus dorsalis "

HORDEUM (barley seed):
- Glischrochilus fasciatus (Insect)

HYDRANGEA:
- Heterodera avenae (Nematode)
- H. schachtii "
- Pratylenchus sp. "

IMPATIENS:
- Heterodera punctata (Nematode)

IRIS (bulbous):
- Ditylenchus destructor (3x) (Nematode)

JUGLANS (walnuts):
- Callosobruchus maculatus (Insect)
- Monomorium pharaonis "

JUNIPERUS:
- Cytospora ? dubyi (Fungus)
- Heterodera avenae (Nematode)
- Thyridopteryx ephemeraeformis (Insect)

LEGUMINOSAE SEED:
- Callosobruchus chinensis (Insect)

LENS:
- Bruchus lentis (Insect)

LILIUM:
- Rhyzopertha dominica (Insect)

LONICERA:
- Meloidogyne hapla (Nematode)
- Meloidogyne sp. "
- Xiphinema americanum "

Hosts (or carriers) of Intercepted Pests

LYCOPERSICON (tomato seedlings):
- Bothynus gibbosus (Insect)
- Meloidogyne incognita (Nematode)
- Noctuidae (Insect)

MAHONIA:
- Cumminsiella mirabilissima (Fungus)

MAIL ("ant farm"):
- Pogonomyrmex ? californicus (Insect)

MALUS (plants):
- Chlorotic leaf spot virus

MALUS (fruit):
- Aspidiotus perniciosus (2x) (Insect)
- Epiphyas postvittana "
- Noctuidae "
- Tetranychus sp. (Mite)

MANGIFERA (mango):
- Cryptorhynchus mangifera (Insect)
- Dacus dorsalis (2x) "

MENTHA:
- Heterodera avenae (Nematode)
- H. schachtii "

MESEMBRYANTHEMUM:
- Heterodera rostochiensis (Nematode)

NERIUM (oleander):
- Heterodera fici (Nematode)

PACKING:
- Arianta arbustorum (Snail)
- Ctenicera sjaelandica (Insect)
- Diacrisia menthastri "

PALMS:
- Heterodera cacti (Nematode)

PELARGONIUM:
- Platyptilia comstocki (Insect)
- P. ? pica (2x) "

PEPEROMIA:
- Ceroplastes cirripediformis (Insect)

PERSEA (avocados):
- Dacus dorsalis (Insect)

PHASEOLUS (beans):
- Callosobruchus chinensis (4x) (Insect)
- C. maculatus (2x) "
- Rhyzopertha dominica "

PHILODENDRON:
- Ischnaspis longirostris (Insect
- Heterodera schachtii (Nematode)

PICEA:
- Heterodera punctata (Nematode)

PISTACIA (nuts):
- Rhyzopertha dominica (Insect)

PINACEAE:
- Criconemoides sp. (Nematode)

PISUM (seed):
- Callosobruchus maculatus (Insect)
- Lasius neoniger "
- Rhyzopertha dominica "

PLANTS (dried, herbs, etc.):
- Aphomia gularis (Insect)
- Corcyra cephalonica "
- Minthea rugicollis "
- Monomorium pharaonis "
- Murmidius ovalis "
- Pheidole dentata "
- Rhyzopertha dominica (4x) "

PLANTS (herbaceous):
- Arion fasciatus (Slug)
- A. intermedius "
- Aspidiotus hederae (Insect)
- Deroceras laeve (Slug)
- Helicotylenchus sp. (Nematode)
- Heterodera avenae (8x) "
- H. bifenestra (3x) "
- H. cacti (4x) "
- H. cruciferae "
- H. fici (7x) "
- H. goettingiana "
- H. humuli (7x) "
- H. latipons "
- H. punctata (9x) "
- H. rostochiensis (6x) "
- H. schachtii (2x) "
- Meloidogyne incognita "
- Paratylenchus sp. "
- Theba pisana (Snail)

PLANTS (woody):
- Heterodera avenae (Nematode)
- H. cacti (2x) "
- H. schachtii "
- Rotylenchus robustus "

POPULUS:
- Aegeria apiformis (Insect)
- Heterodera bifenestra (Nematode)

PRIMULA:
- Heterodera punctata (Nematode)
- H. rostochiensis "

PRUNUS (almonds):
- Hypera postica (Insect

Hosts (or carriers) of Intercepted Pests

PRUNUS (peach seed):
- Grapholitha molesta (Insect)

PRUNUS (plants & Scions):
- Prunus necrotic ringspot virus (7x)
- Sharka virus (2x)

PYRUS (fresh sand pears):
- Grapholitha molesta (Insect)

PYRUS (scions):
- Red mottle virus
- Ring pattern mosaic virus
- Vein yellows virus (5x)

QUERCUS:
- Heterodera schachtii (Nematode)
- Myxosporium lanceola (4x) (Fungus)

RHODODENDRON:
- Arion ater (Slug)
- Gracilaria azaleella (Insect)
- Sparganothis sp. (5x) "

ROSA:
- Arion fasciatus (2x) (Slug)
- Heterodera humuli (Nematodes)
- H. rostochiensis "
- Meloidogyne arenaria "
- M. hapla (14x) "
- M. incognita "
- M. javanica "
- Meloidogyne sp. "
- Pratylenchus sp. (2x) "
- Sitona lineata (Insect)
- Tylenchorhynchus sp. (Nematode)

ROSMARINUS (rosemary):
- Aphelenchoides sp. (Nematode)
- Heterodera avenae "
- H. schachtii "

SACCHARUM (sugar cane):
- Lasius neoniger (Insect)

SECALE (rye straw):
- Puccinia graminis (Fungus)

SHIP (space):
- Platypodidae (Insect)

SHOES (with soil):
- Heterodera avenae (Nematode)
- H. cacti "
- H. punctata (2x) "
- H. schachtii "
- Pratylenchus minyus "

SOIL (souvenirs, etc.):
- Criconemoides sp. (Nematode)
- Heterodera avenae (2x) "
- H. estonica (2x) "
- H. latipons "
- H. punctata (2x) "
- H. rostochiensis "
- H. schachtii (2x) "
- Hoplolaimus galeatus "
- Rotylenchus sp. "
- Trichodorus sp. "
- Tylenchorhynchus quadrifer "
- Xiphinema americanum "

SOLANUM (potato, pepper):
- Blapstinus sp. (Insect)
- Heterodera avenae (Nematode)
- H. rostochiensis "

SORGHUM (broom corn):
- Ostrinia nubilalis (Insect

SPATHIPHYLLUM:
- Heterodera latipons (Nematode)

SYRINGA:
- Heterodera punctata (Nematode)
- H. rostochiensis (2x) "

TAMARINDUS (seed pods):
- Caryedon serratus (Insect)
- Cryptophlebia ? ombrodelta "
- Monomorium minimum "

THEA (tea):
- Monomorium pharaonis (Insect)

THUJA:
- Thyridopteryx ephemeraeformis (3x) (Insect

TROPAEOLUM (Nasturtium fruit):
- Spodoptera sp. (Insect)

TRITICUM (dried ornamental wheat):
- Puccinia graminis (Fungus)
- P. recondita "

VICIA FABA (broad beans):
- Ascochyta sp. (Fungus)
- Botrytis fabae "

Hosts (or carriers) of Intercepted Pests

VITIS (grape rooted cuttings & scions):	
Aphelenchoides sp.	(Nematode)
Fanleaf virus (10x)	
Heterodera fici	(Nematode)
H. rostochiensis	"
Leaf roll virus (3x)	
Paratylenchus sp.	(Nematode)
Tylenchorhynchus sp.	"
Yellow vein virus (2x)	
WEIGELA:	
Meloidogyne hapla	(Nematode)
WOOD (bamboo):	
Dinoderus brevis (2x)	(Insect)
Lyctus brunneus (2x)	"
WOOD (baskets):	
Dinoderus brevis (2x)	(Insect)
WOOD (carvings):	
Lyctus brunneus	(Insect)
WOOD (crates):	
Sinoxylon anale	(Insect)
WOOD (lumber and furniture):	
Lyctus brunneus	(Insect)
Minthea rugicollis	"
WOOD (log remnants):	
Cordylomera spinicornis	(Insect)
WOOD (palmyra stalks):	
Dinoderus brevis	(Insect
ZEA (corn):	
Rhyzopertha dominica	(Insect)
ZINGIBER (ginger root):	
Tetramorium guineense	(Insect)

Countries of Origin and Pests Intercepted

AFRICA (country?):
- Heterodera schachtii (Nematode)

ANTIGUA:
- Lasius neoniger (Insect)

ARGENTINA:
- Heterodera cacti (Nematode)

AUSTRALIA (Tasmania):
- Aspidiotus perniciosus (Insect)
- Epiphyas postvittana "
- Heterodera fici (Nematode)
- Tetranychus sp. (Mite)

AUSTRIA:
- Aphelenchoides sp. (Nematode)
- Fanleaf virus 2x
- Heterodera punctata (Nematode)
- H. rostochiensis "

BAHAMA:
- Callosobruchus maculatus (Insect)

BELGIUM:
- Heterodera fici (2x) (Nematode)
- H. humuli "
- H. punctata "
- Meloidogyne hapla (2x) "
- Myxosporium lanceola (Fungus)
- Sharka virus (2x)

BERMUDA:
- Spodoptera sp. (Insect)

CAMEROON:
- Cordylomera spinicornis (Insect)

CARIBBEAN (country?):
- Aphomia gularis (Insect)

CHINA:
- Aphomia gularis (Insect)

CONGO:
- Lyctus brunneus (Insect)

EGYPT:
- Meloidogyne javanica (Nematode)

ENGLAND:
- Ascochyta ? chrysanthemi (Fungus)
- Ascochyta sp. on Vicia "
- Botrytis fabae "
- Heterodera avenae (7x) (Nematode)
- H. cacti (3x) "
- H. goettingiana "
- H. humuli "
- H. latipons "
- H. punctata (14x) "
- H. rostochiensis (10x) "
- Pratylenchus penetrans "
- Red mottle virus
- Ring pattern mosaic virus
- Vein yellows virus (5x)

FIJI:
- Aphaenogaster rudis (Insect)
- Callosobruchus chinensis (2x) "
- Dacus dorsalis (2x) "
- Pheidole dentata "
- Pyraustidae "
- Tetramorium guineense "

FRANCE:
- Chlorotic leaf spot virus
- Criconemoides sp. (2x) (Nematode)
- Fanleaf virus (3x)
- Helicotylenchus sp. (Nematode)
- Heterodera cacti "
- H. humuli "
- Meloidogyne arenaria "
- M. hapla (3x) "
- Pratylenchus sp. "
- Yellow vein virus (2x)

GERMANY (West):
- Heterodera avenae (2x) (Nematode)
- H. cacti "
- H. punctata (2x) "
- H. rostochiensis (2x) "
- Rotylenchus sp. "

GREECE:
- Aphelenchoides sp. (Nematode)
- Ceroplastes cirripediformis (Insect)
- Heterodera humuli (Nematode)
- H. rostochiensis (2x) "
- Lasius alienus (Insect)
- Puccinia graminis (Fungus)

GUIANA:
- Minthea rugicollis (Insect)

HONG KONG:
- Aspidiotus hederae (Insect)
- Callosobruchus chinensis (2x) "
- C. maculatus (2x) "
- Corcyra cephalonica "
- Glischrochilus fasciatus "
- Heterodera avenae (Nematode)
- H. cacti "
- H. punctata "
- Lasius neoniger (Insect)
- Melolontha ? japonica "
- Minthea rugicollis "
- Monomorium pharaonis (2x) "
- Murmidius ovalis "
- Noctuidae "
- Pheidole bicarinata vinelandica "
- Rhyzopertha dominica (6x) "

HUNGARY:
- Fanleaf virus (2x)
- Heterodera punctata (Nematode)
- Leaf roll virus
- Ostrinia nubilalis (Insect)

Countries of Origin and Pests Intercepted

INDIA:

Aspidiotus perniciosus	(Insect)
Cryptophlebia ? ombrodelta	"
Cryptorhynchus mangifera	"
Dacus dorsalis	"
Dinoderus brevis (2x)	"
Dorymyrmex pyramicus	"
Heterodera avenae	(Nematode)
H. cacti	"
H. punctata	"
H. schachtii	"
Lyctus brunneus (2x)	(Insect)
Monomorium minimum	"
Pheidole dentata	"
Phelomerus aberrans	"
Rhinoncus sp.	"
Rhyzopertha dominica (4x)	"

IRELAND (Eire and N. Ireland):

Heterodera cacti	(Nematode)

ITALY:

Aphelenchoides sp. (3x)	(Nematode)
Callosobruchus maculatus	(Insect)
Fanleaf virus	
Helix aperta	(Snail)
Heterodera avenae (4x)	(Nematode)
H. bifenestra (4x)	"
H. cacti	"
H. fici (6x)	"
H. humuli (6x)	"
H. latipons	"
H. rostochiensis	"
H. schachtii	"
Paratylenchus sp.	"
Prunus necrotic ringsport virus (7x)	
Rotylenchus sp.	(Nematode)
Tylenchorhynchus sp.	"
Xiphinema sp.	"

JAMAICA:

Callosobruchus chinensis	(Insect)
Heterodera schachtii	(Nematode)

JAPAN:

Curculionidae	(Insect)
Dinoderus brevis (2x)	"
Grapholitha molesta	"
Heterodera avenae	(Nematode)
Lasius neoniger	(Insect)
Lyctus brunneus	"
Noctuidae	"
Xyleborus validus	"

JAVA:

Monomorium pharaonis	(Insect)

KOREA (South):

Aphomia gularis	

LEBANON:

Bruchus lentis	(insect)
Heterodera punctata	(Nematode)

MALAYA:

Monomorium pharaonis	(Insect)

MALTA:

Theba pisana	(Snail)

MEXICO:

Dacus dorsalis	(Insect)
Dinoderus brevis	"

NETHERLANDS:

Aegeria apiformis	(Insect)
Aphelenchoides sp. (4x)	(Nematode)
Aphis craccivora	(Insect)
Arianta arbustorum	(Snail)
Arion fasciatus (2x)	(Slug)
Ctenicera sjaelandica	(Insect)
Diacrisia menthastri	"
Gracilaria azaleella	"
Helicotylenchus pseudorobustus	(Nematode)
Heterodera avenae (2x)	"
H. cacti (2x)	"
H. fici	"
H. punctata (4x)	"
H. schachtii	"
Meloidogyne hapla (7x)	"
M. incognita	"
Myxosporium lanceola (3x)	(Fungus)
Noctuidae	(Insect)
Paratylenchus sp.	(Nematode)
Pratylenchus sp.	"
P. crenatus	"
P. penetrans	"
Rotylenchus sp.	"

NEW ZEALAND:

Anguina agrostis (3x)	(Namtode)

PAKISTAN:

Sinoxylon anale	(Insect)

POLAND:

Heterodera avenae (3x)	(Nematode)
H. cacti	"
H. estonica	"
H. latipons	"
H. punctata (3x)	"
H. rostochiensis	"

PORTUGAL:

Criconemoides sp.	(Nematode)
Heterodera avenae	"
H. cruciferae	"
H. fici	"
H. schachtii (5x)	"
Puccinia buxi	(Fungus
Trichodorus sp.	(Nematode)

Countries of Origin and Pests Intercepted

RUSSIA:
- Heterodera avenae (Nematode)
- Platypodidae (Insect)

SCOTLAND:
- Criconemoides sp. (Nematode)
- Heterodera cacti "
- H. punctata (3x) "
- H. rostochiensis (2x) "

SINGAPORE:
- Rhyzopertha dominica (Insect)

SOUTH AFRICA:
- Leaf roll virus

SWEDEN:
- Puccinia graminis (Fungus)

SWITZERLAND:
- Heterodera punctata (Nematode)

TAIWAN:
- Dinoderus brevis (Insect)

TURKEY (?):
- Heterodera estonica (Nematode)
- Pratylenchus minyus "
- Rotylenchus sp. "
- Tylenchorhynchus quadrifer "

UNITED STATES OF AMERICA (by states):

ALABAMA:
- Thyridopteryx ephemeraeformis (Insect)

CALIFORNIA:
- Aonidiella citrina (2x) (Insect)
- Blapstinus sp. "
- Grapholitha molesta "
- Helix aspersa (Snails)
- Hypera postica (Insect)
- Meloidogyne sp. (Nematode)
- Platyptilia comstocki (Insect)
- Platytilia (?) pica (2x) "
- Pogonomyrmex (?) californicus "
- Pratylenchus sp. (Nematode)
- Sparganothis sp. (Insect)

CONNECTICUT:
- Criconemoides sp. (Nematode)
- Hoplolaimus galeatus "
- Xiphinema americanum "

FLORIDA:
- Anomis flava (Insect)
- Arion ater (Slug)
- Heterodera cacti (Nematode)
- Ischnaspis longirostris (Insect)
- Microcentrum (?) retinerve "
- Noctuidae "
- Panonychus citri "
- Saissetia oleae (2x) "
- Tetramorium guineense (2x) "

GEORGIA:
- Bothynus gibbosus (Insect)
- Meloidogyne incognita (Nematode)
- Noctuidae (Insect)

HAWAII:
- Achatina fulica (Snail)
- Aphaenogaster rudis (Insect)
- Caryedon serratus (2x) "
- Ectomyelois ceratomae "
- Lasius neoniger (2x) "
- Meloidogyne incognita (Nematode)
- Monomorium destructor (Insect)
- M. minimum (3x) "
- Pheidole dentata "
- Pinnaspis aspidistrae "
- Saissetia oleae "

MARYLAND:
- Heterodera schachtii (Nematode)

MICHIGAN:
- Meloidogyne sp. (Nematode)

MINNESOTA:
- Anguina agrostis (Nematode)

MISSOURI:
- Cytospora (?) dubyi (Fungus)
- Heterodera cacti (Nematode)

NEW YORK:
- Aphelenchoides sp. (Nematode)
- Criconemoides sp. "
- Heterodera schachtii "
- Pratylenchus sp. "

OHIO:
- Meloidogyne hapla (Nematode)
- M. javanica "

OREGON:
- Anguina agrostis (Nematode)
- Arion fasciatus (Slug)
- A. intermedium "
- Cumminsiella mirabilissima (Fungus)
- Deroceras laeve (Slug)

TENNESSEE:
- Meloidogyne sp. (Nematode)
- M. hapla (3x) "
- Heterodera cacti "
- Thyridopteryx ephemeraeformis (5x) (Insect)
- Xiphinema americanum (Nematode)

TEXAS:
- Meloidogyne hapla (Nematode)

WASHINGTON:
- Ditylenchus destructor (3x) (Nematode)
- Sitona lineata (Insect)
- Pratylenchus sp. (Nematode)

Countries of Origin and Pests Intercepted

UKRAINE:

Puccinia recondita	(Fungus)

UNKNOWN:

Acedes pallescentella (37x)	(Insect)
Aphomia gularis	"
Corcyra cephalonica (8x)	"
Endrosis sarcitrella (2x)	"
Gibbium psylloides (4x)	"
Hofmannophila pseudospretella (7x)	"
Latheticus oryzae (10x)	"
Microgramme arga (3x)	"
Neoconocephalus triops	"
Paratrechina longicornis	"
Pheidole dentata	"
Rhyzpertha dominica (36x)	"
Sitotroga cerealella (6x)	"
Thes bergrothi	"
Trogoderma granarium	"

YUGOSLAVIA:

Fanleaf virus (2x)	
Heterodera estonica	(Nematode)
H. humuli	"
H. punctata	"
H. schachtii	"
Heterodera sp. (prob. undescribed)	(Nematode)
Leafroll virus	